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PATENT APPLICATION

6P/1647

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Boyle

Serial No.: 09/211,315

Group Art Unit No.: 1647

Filed: December 14, 1998

Examiner: Nichols, Christopher J.

For: Osteoprotegerin Binding Proteins

Docket No.: A-451J

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Under the guidelines of 37 C.F.R. 1.97, applicant submits a copy of each of the references listed on the attached supplemental PTO-1449 (Modified) form for consideration by the Examiner.

Applicant, by the undersigned attorney/agent, certifies that no information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than [30 days pursuant to 37 C.F.R. 1.704(d) or] three months pursuant to 37 C.F.R. 1.97(e)(1) prior to the filing of this statement.

Applicant(s) request(s) consideration of this information and passage of the application to issue.

The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 01-0519 in the name of Amgen Inc. An original and one copy of this paper are enclosed.

Respectfully submitted,

Please send all future correspondence to:  
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Date: March 2, 2004

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date appearing below.

3/2/04  
Date

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Sheet 1 Of 3

Modified Form PTO-1449  <b>LIST OF REFERENCES CITED BY APPLICANT</b>  (Use several sheets if necessary)	Atty. Docket No.	Serial No.
	A-451J	09/211,315
	Applicant	
	Boyle	
	Filing Date	Group
	December 14, 1998	1647

**U.S. PATENT DOCUMENTS**

EXAMINER'S INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	A1	5,763,223	09/06/98	Wiley et al.			
	A2	5,961,974	05/10/99	Armitage et al.			
	A3	6,017,729	25/01/00	Anderson et al.			
	A4	6,150,090	21/11/00	Baltimore et al.			
	A6	6,242,213	05/06/01	Anderson			
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	A8	6,525,180	25/02/03	Gorman et al.			
/	A9	09/957,944	Filed: 20/09/01	Dougall			
	A10	10/151,071	Filed: 17/05/02	Dougall et al.			
	A11	10/166,232	Filed: 05/06/02	Dougall			
	A12	10/405,878	Filed: 01/04/03	Anderson			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
/	B1	EP 0816380	07/01/98	Europe				
/	B2	EP 0873998	28/10/98	Europe				
/	B3	WO 96/34095	31/10/96	PCT				
/	B4	WO 98/28423	02/07/98	PCT				
/	B5	WO 98/54201	03/12/98	PCT				
/	B6	WO 99/65449	23/12/99	PCT				
/	B7	WO 99/65495	23/12/99	PCT				
/	B8	WO 01/23549	05/04/01	PCT				
/	B9	WO 02/15846	28/02/02	PCT				

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EXAMINER'S  
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**OTHER DOCUMENTS (Including Publisher, Author, Title, Date, Pertinent Pages, Etc.)**

/	C1	Boyle v. Gorman and Mattson, Board of Patent Appeals and Interferences, Interference No. 104,336, Paper No. 39
/	C2	Camerini et al., <i>J. Immunol.</i> , "The T Cell Activation Antigen CD27 is a Member of the Nerve Growth Factor/Tumor Necrosis Factor Receptor Gene Family", 147:3165-3169 (1991).
/	C3	Caux et al., <i>J. Exp. Med.</i> , "Activation of Human Dendritic Cells through CD40 Cross-linking", 180:1263-1272 (1994).
/	C4	Dürkop et al., <i>Cell</i> , "Molecular Cloning and Expression of a New Member of the Nerve Growth Factor Receptor Family That Is Characteristic for Hodgkin's Disease", 68:421-427 (1992).
/	C5	EMBL-EBI Database Entry HS421358, Accession No. W74421, Homo Sapiens cDNA Clone IMAGE:346544 3' Similar to Contains Alu Repetitive Element, Hillier et al., (June 1996).
/	C6	Galibert et al., <i>J. Biol. Chem.</i> , "The Involvement of Multiple Tumor Necrosis Factor Receptor (TNFR)-Associated Factors in the Signaling Mechanisms of Receptor Activator of NF- $\kappa$ B, a Member of the TNFR Superfamily", 273(51):34120-34127 (1998).
/	C7	Gray et al., <i>Genetics</i> , "P-Element-Induced Recombination in <i>Drosophila melanogaster</i> : Hybrid Element Insertion", 144(4):1601-1610 (1996).
/	C8	Itoh et al., <i>Cell</i> , "The Polypeptide Encoded by the cDNA for Human Cell Surface Antigen Fas Can Mediate Apoptosis", 66:233-243 (1991).
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/	C10	Kodaira et al., <i>Gene</i> , "Cloning and characterization of the gene encoding mouse osteoclast differentiation factor", 230:121-127 (1999).
/	C11	Kwon et al., <i>Proc. Natl. Acad. Sci. USA</i> , "cDNA sequences of two inducible T-cell genes", 86:1963-1967 (1989).
/	C12	Mallett et al., <i>EMBO J.</i> , "Characterization of the MRC OX40 antigen of activated CD4 positive T lymphocytes—a molecule related to nerve growth factor receptor", 9:1063-1068 (1990)
/	C13	NCBI, Marra et al., The WashU-HHMI Mouse EST Project, GenBank Accession No. AA170348, (16 Feb. 1997).
/	C14	Nakagawa et al., <i>Biochem. Biophys. Res. Commun.</i> , "RANK Is the Essential Signaling Receptor for Osteoclast Differentiation Factor in Osteoclastogenesis", 253:395-400 (1998).
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/	C18	Simonet et al., <i>Cell</i> , "Osteoprotegerin: A Novel Secreted Protein Involved in the Regulation of Bone Density", 89:309-319 (1997).
/	C19	Stamenkovic et al., <i>EMBO J.</i> , "A B-lymphocyte activation molecule related to the nerve growth factor receptor and induced by cytokines in carcinomas", 8:1403-1410 (1989).
/	C20	Suda et al., <i>Endocr. Rev.</i> , "Modulation of Osteoclast Differentiation", 13:66-80 (1992).
/	C21	Suda et al., <i>Bone</i> , "Modulation of Osteoclast Differentiation by Local Factors", 17(2):87S-91S (1995).

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✓	C22	Suda et al., <i>Endocr. Rev.</i> , <i>Monograph</i> , "Modulation of Osteoclast Differentiation: Update 1995", 4(1):266-270 (1995).
✓	C23	Viney et al., <i>J. Immunol.</i> , "Expanding Dendritic Cells In Vivo Enhances the Induction of Oral Tolerance", 160:5815-5825 (1998).
✓	C24	Wong et al., <i>J. Biol. Chem.</i> , "The TRAF Family of Signal Transducers Mediates NF- $\kappa$ B Activation by the TRANCE Receptor", 273(43):28355-28359 (1998).
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